

Species Tag:	30003	Species Name:	DCO+
Version:	2		Formyl cation /
Date:	Dec. 1983		Oxomethylium,
Contributor:	R. L. Poynter		X $^1\Sigma^+$,
			Deuterium isotope
Lines Listed:	41	Q(300.0)=	521.915
Freq. (GHz) <	2939	Q(225.0)=	391.652
Max. J:	41	Q(150.0)=	261.397
LOGSTR0=	-2.7	Q(75.00)=	131.190
LOGSTR1=	-4.0	Q(37.50)=	66.085
Isotope Corr.:	-3.824	Q(18.75)=	33.558
Egy. (cm^{-1}) >	0.0	Q(9.375)=	17.306
μ_a =	3.3	A=	
μ_b =		B=	36019.76
μ_c =		C=	

The observed lines are from: R. C. Woods, R. J. Saykally, T. A. Dixon, P. G. Szanto, and T. Anderson, 1976, 31st Symposium on Molecular Spectroscopy, Columbus, Ohio. M. Bogey, C. Demuynck, and J. L. Destombes, 1981, Mol. Phys. **43**, 1043. K. V. L. N. Sastry, E. Herbst, and F. C. De Lucia, 1981, J. Chem. Phys. **75**, 4169. The dipole moment was assumed to be the same as for the parent species.